

## ABSTRACT

An electromagnetic noise suppressor of the present invention has magnetic resonance frequency of 8 GHz or higher, and the imaginary part  $\mu''_H$  of complex magnetic permeability at 8 GHz is higher than the imaginary part  $\mu''_L$  of complex magnetic permeability at 5 GHz. Such an electromagnetic noise suppressor is capable of achieving sufficient electromagnetic noise suppressing effect over the entire sub-microwave band. The electromagnetic noise suppressor can be manufactured by forming a composite layer 3 on the surface of a binding agent 2 through physical deposition of a magnetic material on the binding agent 2. The structure with an electromagnetic noise suppressing function of the present invention is a printed wiring board, a semiconductor integrated circuit or the like that is covered with the electromagnetic noise suppressor on at least a part of the surface of the structure.